# INTELLIGENT LOAD DISTRIBUTION SYSTEM

## ABSTRACT OF THE DISCLOSURE

A vehicle information system has a first load sensor for generating a first load signal based on a first vehicle load. A first position sensor generates a first position signal based on a position of a vehicle axle. A second position sensor generates a second position signal based on a position of a vehicle kingpin. A memory unit stores vehicle optimization data. An evaluation unit is in communication with the first load sensor, the first position sensor, the second position sensor and the memory unit. A general user interface for receiving input is also in communication with the evaluation unit. The evaluation unit makes an evaluation of the first load signal, the first position sensor, the second position signal, and any input and generates a vehicle optimization instruction relating to a distance between the axle and the kingpin.

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